

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-318136

(43)Date of publication of application : 31.10.2002

(51)Int.Cl.

G01C 21/00  
G08G 1/0969  
G10L 15/00  
G10L 15/06  
G10L 15/28

(21)Application number : 2002-038458

(71)Applicant : NAVIGATION TECHNOL CORP

(22)Date of filing : 15.02.2002

(72)Inventor : KHAN M SALAHUDDIN  
FRIEDERICH MATTHEW

(30)Priority

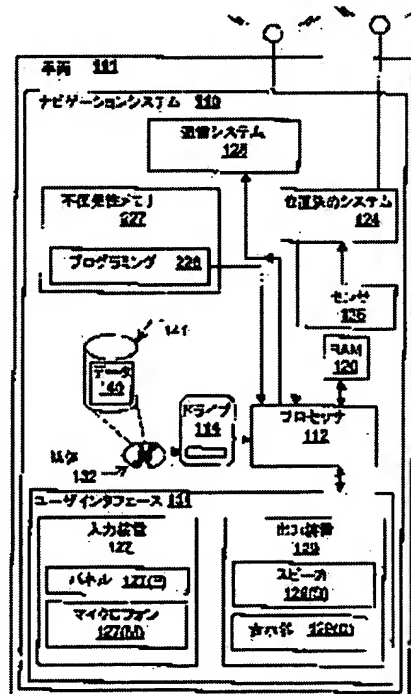
Priority number : 2001 784660 Priority date : 15.02.2001 Priority country : US

## (54) SPACE CONSTRUCTION WORD LIST FOR AUTOMATIC VOICE RECOGNITION PROGRAM AND ITS FORMING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To improve a voice recognition processing method for a navigation system.

SOLUTION: This navigation system is provided with an automatic voice recognition program for adapting an uttered word representing a geographical characteristic point such as a place, a street name, a destination, etc., to an item of a word list. The word list includes the limited number of items. In order to increase likelihood that the word uttered by a user of the navigation system is included in the limited number of items included in the word list, the word list is constructed so that it includes an item corresponding to a famous geographical characteristic point, the closest to a current position of a vehicle on which the navigation system is provided. As the vehicle passes a geographical zone, the word list is reconstructed so that it includes an item corresponding to a famous geographical characteristic point, the closest to a new current position of the vehicle. Moreover, the word list also includes the limited number of items corresponding to famous geographical zones included because popularity or importance is high, though it is not close to the



current position of the vehicle.

---

#### LEGAL STATUS

[Date of request for examination] 16.09.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office